EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	450	(548/541).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/24 08:32
L2	160	(549/15).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/24 08:32
L3	0	l1 and l2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/24 08:33

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FILE 'HOME' ENTERED AT 11:10:33 ON 19 FEB 2007

=> FILE REG

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 11:10:47 ON 19 FEB 2007
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 18 FEB 2007 HIGHEST RN 921759-52-6
DICTIONARY FILE UPDATES: 18 FEB 2007 HIGHEST RN 921759-52-6

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TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

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REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

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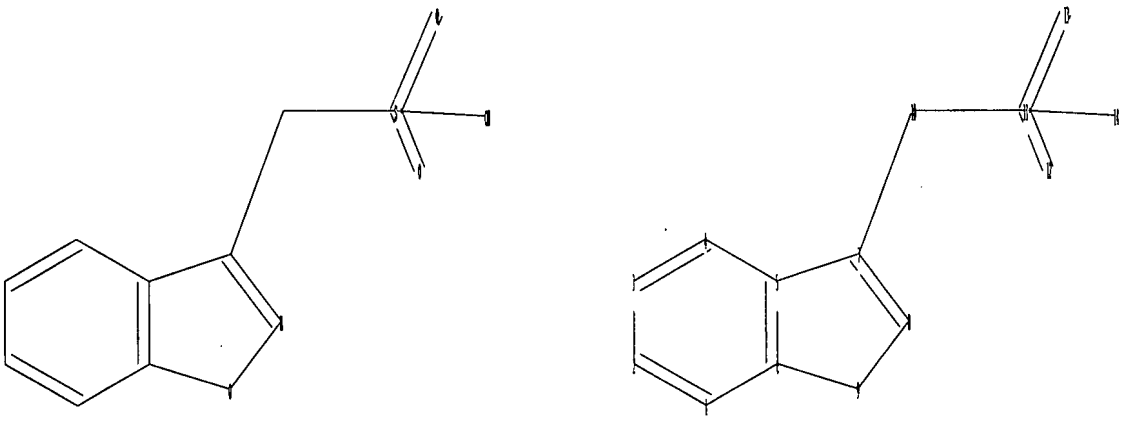
Uploading C:\Program Files\Stnexp\Queries\10541607.str

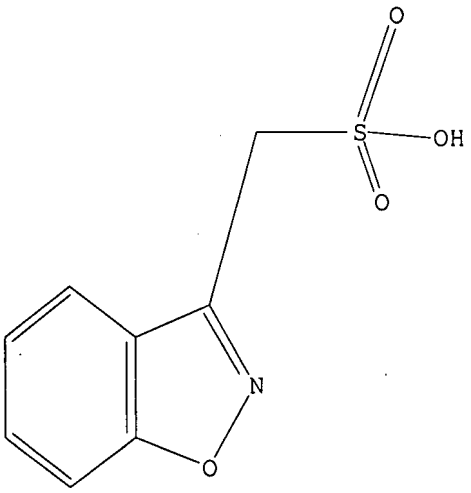


chain nodes :
10 11 12 13 14
ring nodes :
1 2 3 4 5 6 7 8 9
chain bonds :
7-10 10-11 11-12 11-13 11-14
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9
exact/norm bonds :
5-7 6-9 7-8 8-9 10-11
exact bonds :
7-10
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 11-12 11-13 11-14

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS

L1 STRUCTURE UPLOADED

=> D
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

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=> S L1
SAMPLE SEARCH INITIATED 11:11:07 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -        5 TO ITERATE

100.0% PROCESSED         5 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:            5 TO      234
PROJECTED ANSWERS:               0 TO        0

L2             0 SEA SSS SAM L1

=> S L1 FULL
FULL SEARCH INITIATED 11:11:31 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      102 TO ITERATE

100.0% PROCESSED       102 ITERATIONS                               14 ANSWERS
SEARCH TIME: 00.00.01

L3            14 SEA SSS FUL L1

=> FILE CAPLUS
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   172.10     172.31

FILE 'CAPLUS' ENTERED AT 11:11:36 ON 19 FEB 2007
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FILE COVERS 1907 - 19 Feb 2007 VOL 146 ISS 9
FILE LAST UPDATED: 18 Feb 2007 (20070218/ED)

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http://www.cas.org/infopolicy.html

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=> S L3
L4          17 L3

=> S L3 AND OXIME
            17 L3
         45138 OXIME
         16097 OXIMES
         50073 OXIME
                 (OXIME OR OXIMES)
L5           2 L3 AND OXIME

=> D IBIB ABS HITSTR TOT
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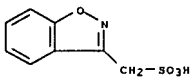
L5 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:606452 CAPLUS
DOCUMENT NUMBER: 141:140420
TITLE: A process for the preparation of benzo[d]isoxazol-3-yl-methanesulfonic acid
INVENTOR(S): Razzetti, Gabriele; Mantegazza, Simone; Castaldi, Graziano; Allegrini, Pietro; Lucchini, Vittorio; Bologna, Alberto
PATENT ASSIGNEE(S): Dinamite Dipharma S.P.A., Italy
SOURCE: PCT Int. Appl., 22 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004063173	A1	20040729	WO 2003-EP14919	20031224
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2512791	A1	20040729	CA 2003-2512791	20031224
AU 2003298248	A1	20040810	AU 2003-298248	20031224
EP 1581508	A1	20051005	EP 2003-795972	20031224
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2006515322	T	20060525	JP 2005-512865	20031224
US 2006135582	A1	20060622	US 2005-541607	20050707

PRIORITY APPLN. INFO.: IT 2003-MI26 A 20030110
IT 2003-MI1383 A 20030704
WO 2003-EP14919 W 20031224

OTHER SOURCE(S): CASREACT 141:140420
AB The title compound (I) or its salt, useful as an intermediate in the preparation of anticonvulsant zonisamide, is prepared by reaction of 1,2-benzoxathin-4(3H)-one 2,2-dioxide oxime (II) with organic base or alkali or alkaline earth hydroxide. Thus, reaction of II with aq NaOH at room temperature for 3 h gave 70% sodium salt of I.
IT 726188-85-8P
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
(preparation of 1,2-benzisoxazole-3-methanesulfonic acid or its salt as

L5 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
NAME)

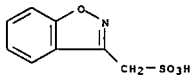


● Li

L5 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
intermediate for zonisamide)
RN 726188-85-8 CAPLUS
CN 1,2-Benzisoxazole-3-methanesulfonic acid, compd. with N,N-diethylethanamine (1:1) (9CI) (CA INDEX NAME)

CM 1

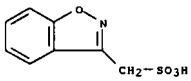
CRN 342623-49-8
CMF C8 H7 N O4 S



CM 2

CRN 121-44-8
CMF C6 H15 N

IT 73101-64-1P 726188-84-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of 1,2-benzisoxazole-3-methanesulfonic acid or its salt as intermediate for zonisamide)
RN 73101-64-1 CAPLUS
CN 1,2-Benzisoxazole-3-methanesulfonic acid, sodium salt (9CI) (CA INDEX NAME)



● Na

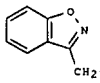
RN 726188-84-7 CAPLUS
CN 1,2-Benzisoxazole-3-methanesulfonic acid, lithium salt (9CI) (CA INDEX

L5 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:695963 CAPLUS
DOCUMENT NUMBER: 137:216942
TITLE: Process for the preparation of 1,2-benzisoxazole-3-acetic acid, an intermediate in the synthesis of zonisamide
INVENTOR(S): Mendelovici, Mariorara; Nidam, Tamar
PATENT ASSIGNEE(S): Teva Pharmaceutical Industries Ltd., Israel; Teva Pharmaceuticals USA, Inc.
SOURCE: PCT Int. Appl., 14 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002070495	A1	20020912	WO 2002-US6419	20020304
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2440030	A1	20020912	CA 2002-2440030	20020304
US 2002183525	A1	20021205	US 2002-90710	20020304
US 6677458	B2	20040113		
EP 1373229	A1	20040102	EP 2002-717527	20020304
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
US 2004049053	A1	20040311	US 2003-661109	20030912

PRIORITY APPLN. INFO.: US 2001-273172P P 20010302
US 2001-294847P P 20010531
US 2002-90710 A3 20020304
WO 2002-US6419 W 20020304

OTHER SOURCE(S): CASREACT 137:216942
GI

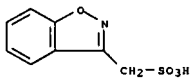


AB A process for the preparation of 1,2-benzisoxazole-3-acetic acid (I) from

L5 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
4-hydroxycoumarin and hydroxylamine.HCl in the presence of a base is disclosed. Compd. I has com. importance as a key intermediate in the prepn. of Zonisamide. For example, a soln. of 4-hydroxycoumarin (100 g), hydroxylamine hydrochloride (150 g) and diethylamine (160 g) in MeOH (500 mL) was heated at reflux for 1 h. The reaction mixt. was evapd. to dryness and the solid dissolved in aq. NaHCO3 and extd. with ether. After acidification of the aq. phase, the product was isolated by filtration, washed with water and dried to provide I (99.82 g) in 93 % wt./wt. yield. Avantages of the present invention are: (1) the prep. of I without the use of metallic sodium; and (2) the minimization of reaction side-products, e.g., oxime. The process is thus substantially less hazardous than previous methods. The invention also claims the prep. I or salts of which are converted to 1,2-benzisoxazole-3-methanesulfonamide, i.e., zonisamide.

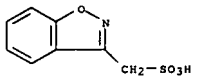
IT 73101-64-1P, 1,2-Benzisoxazole-3-methanesulfonic acid sodium salt
342623-49-8P, 1,2-Benzisoxazole-3-methanesulfonic acid
457635-27-7P 457635-28-8P
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
(product; process for preparation of 1,2-benzisoxazole-3-acetic acid, an intermediate in synthesis of zonisamide)

RN 73101-64-1 CAPLUS
CN 1,2-Benzisoxazole-3-methanesulfonic acid, sodium salt (9CI) (CA INDEX NAME)



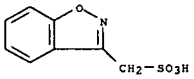
● Na

RN 342623-49-8 CAPLUS
CN 1,2-Benzisoxazole-3-methanesulfonic acid (9CI) (CA INDEX NAME)



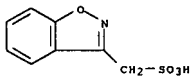
RN 457635-27-7 CAPLUS
CN 1,2-Benzisoxazole-3-methanesulfonic acid, calcium salt (9CI) (CA INDEX NAME)

L5 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



●1/2 Ca

RN 457635-28-8 CAPLUS
CN 1,2-Benzisoxazole-3-methanesulfonic acid, barium salt (9CI) (CA INDEX NAME)



●1/2 Ba

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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LOGOFF? (Y)/N/HOLD:Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	13.02	185.33

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.56	-1.56

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